2014 Wisconsin 4-H Project Guide

100 Years in Wisconsin 4-H Youth Development!

Celebrating our 4-H Heritage and Looking Forward to the Future!
This is your guide . . . A 4-H project is an area that you want to learn more about during the year. There are projects on just about any topic you would like to study and explore, from art to woodworking, from computers to rabbits, from clothing to small engines.

So how do you know what projects are available to you? Your club organizational leader or enrollment coordinator can tell you what projects and resources are offered in your county.

Don’t forget to check out the project pages on the Wisconsin 4-H Web Site at www.uwex.edu/ces/4h/onlinpro/index.cfm. On these pages, you’ll find descriptions for statewide projects, Internet resources and links of interest, county fair exhibit suggestions, state specialist contacts, and other suggested 4-H resources.

And remember, you’ll learn more than “subject matter” as you complete your projects. You’ll learn many “life” skills that you’ll use every day of your life, such as, understanding yourself, communicating better, solving problems, making decisions, and working with others. Good luck in your project selections. Have a great 4-H year!

How to Select 4-H Projects

4-H members . . . First, make a list of the things you like to do or want to learn more about. Talk over your list with your parents, leaders and friends. They may recognize some special things you are good at that you don’t even realize you do well.

Then compare your list with the projects described in this guide and any other project list you may receive from your county. Ask yourself if you have the equipment, money and time to do the projects that sound interesting.

Many projects have more than one level. If you’ve had a lot of experience in an area, you may want to skip the first or beginning level of a project. Many projects also have grade recommendations. These are only recommendations.

If this is your first year in 4-H, concentrate on doing only two or three projects well. Usually you can spend more than one year in a project unit because there are enough ideas there to span two or three years.

4-H leaders . . . If there are several units within a project and you’re a leader for only one, then choose that unit. For example, if you’re a Shooting Sports leader for just archery, choose Archery. You’ll need to make more than one entry if you’re a leader for more than one project unit. For example, if you’re a Shooting Sports leader for archery and air pistol, choose both.

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YOUTH LEADERSHIP

AMBASSADORS

AMBASSADORS LDR

YOUTH LEADERSHIP 1
What you can do in this project:
- Assess your leadership skills
- Practice effective communication skills
- Set goals and resolve conflict
- Plan a group event
Grades: 3-5
Resource: 07905, My Leadership Workbook for Grades 3-5

YOUTH LEADERSHIP 2
What you can do in this project:
- Explore how leaders are different
- Develop a multi-media presentation
- Set and achieve team goals
- Practice teamwork
Grades: 6-8
Resource: 07906, My Leadership Journal for Grades 6-8

YOUTH LEADERSHIP 3
What you can do in this project:
- Build trust in a group
- Assess you own strengths and weaknesses
- Write vision and mission statements
- Contribute to a group project
Grades: 9-12
Resource: 07907, My Leadership Portfolio for Grades 9-12

YOUTH LEADERSHIP LDR
07904, Leadership Mentor Guide for Grades 6-12
Webpage: 4h.uwex.edu/onlinpro/leadership.cfm

YOUTH LEADERSHIP YTH LDR

CLOVERBUDS

CLOVERBUDS 2
What you can do in this project:
- Learn about 4-H activities and events
- Learn about working together as a club or team
- Share with others what you have learned
Grade: 1
Resource: See Cloverbuds 1

CLOVERBUDS 3
What you can do in this project:
- Begin learning about specific 4-H project areas
- Learn to complete projects as an individual
- Share with others what you have learned
Grade: 2
Resource: See Cloverbuds 1

CLOVERBUDS LDR
Resources: 05560, 4-H Discovery Program for 6-8 Yr. Olds
Webpage: 4h.uwex.edu/onlinpro/cloverbuds.cfm

CLOVERBUDS YTH LDR

EXPLORING
What you can do in this project:
- Learn about the 4-H program
- Sample a variety of projects offered in 4-H
- Learn about yourself and others
Grade: 3
Resource: 08171, Exploring the Treasures of 4-H

10300 EXPLORING LDR
Resources: 08172, Exploring Treasures of 4-H Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/exploring.cfm

SERVICE LEARNING & CITIZENSHIP

CITIZENSHIP
What you can do in this project:
- Discover and discuss public issues
- Plan a project to change or improve your community
Grades: 4-12
Resource: 08153, Citizenship Adventure Kit

CITIZENSHIP LDR
Webpage: 4h.uwex.edu/onlinpro/citizenship.cfm
CITIZENSHIP YTH LDR

HISTORY & HERITAGE

HISTORY & HERITAGE LDR

HISTORY & HERITAGE YTH LDR

LATINO CULTURAL ARTS
What you can do in this project:
- Understand the Latino culture by exploring traditional art
- Make Latino instruments, jewelry, weavings, murals, etc.
- Celebrate Latino holidays, sample foods and tell stories
Grades: K-8

LATINO CULTURAL ARTS LDR
Resource: 08180, QueRico! La Cultura Bilingual Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/LatinoCulturalArts.cfm

LATINO CULTURAL ARTS YTH LDR

SERVICE LEARNING 1
What you can do in this project:
- Learn to give back to your community
- Reflect on your experiences
- Identify community needs
- Plan a service project and execute the idea
Grades: 5-8
Resource: 08182, Agents of Change + CD

SERVICE LEARNING 2
What you can do in this project:
- Plan and implement your own service project
- Share your project plan and outcome with others
- Conduct an evaluation of your project
Grades: 9-12
Resource: 08183, Raise Your Voice + CD

SERVICE LEARNING LDR
Resource: 08184, Service Learning Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/ServiceLearning.cfm

SERVICE LEARNING YTH LDR

SPECIAL EMPHASIS

SPECIAL EMPHASIS LDR

SPECIAL EMPHASIS YTH LDR

SELF-DETERMINED

SELF-DETERMINED
What you can do in this project:
- Create your own project or expand on an old one
- Select a project, develop a plan, identify resources

Grades: 3-13
Resource: 4H272, Designing Your Own Project

SELF-DETERMINED YTH LDR

SELF-DETERMINED ANIMAL SCIENCES

SELF-DETERMINED ARTS & COMMUNICATION

SELF-DETERMINED ENVIRONMENTAL EDUCATION

SELF-DETERMINED FAMILY, HOME, & HEALTH

SELF-DETERMINED MECHANICAL SCIENCES

SELF-DETERMINED PLANT & SOIL SCIENCES

ANIMAL SCIENCES

BEEF 1
What you can do in this project:
- Identify various beef breeds
- Identify parts of a beef animal
- Halter-break and show a calf
- Fit and judge beef cattle
- Recognize and raise a healthy animal
Grades: 3-5
Resources: 08143, Bite Into Beef
4H450, Judging Breeding & Market Cattle
MA, Meat Animal Project Record

BEEF 2
What you can do in this project:
- Present oral reasons during judging
- Learn about feed ingredients, behavior and parasites
- Study how to do nose-print identification
- Learn beef carcass composition and retail meat cuts
Grades: 6-8
Resources: 08144, Here’s the Beef
MA, Meat Animal Project Record

BEEF 3
What you can do in this project:
- Explore selection and judging
- Learn about careers, health, reproduction, etc.
- Discover how to market your animal and by-products
Grades: 9-12
BEEF 4
BEEF FEEDER
BEEF LDR
BEEF YTH LDR

CAGE BIRDS
CAGE BIRDS LDR
CAGE BIRDS YTH LDR

CATS 1
What you can do in this project:
- Select a cat
- Identify cat breeds
- Name the parts of a cat
- Handle and groom a cat
- Care for its health
- Create a budget

Grades: 3-5
Resource: 08148, Purr-fect Pals

CATS 2
What you can do in this project:
- Learn about cat senses and sounds
- Explore tricks to teach a cat
- Traveling with a cat
- Learn about feeding and emergency care
- Detect signs of illness and health issues

Grades: 6-8
Resource: 08149, Climbing Up!

CATS 3
What you can do in this project:
- Explore veterinary procedures
- Learn reproduction and cat body systems
- Learn showmanship and cat behavior
- Explore community laws and animal welfare

Grades: 9-12
Resource: 08150, Leaping Forward

CATS 4
CATS YTH LDR

CAVIES
CAVIES LDR
CAVIES YTH LDR

DAIRY 1
What you can do in this project:
- Identify dairy breeds
- Study and identify parts of the dairy cow
- Learn how to select quality dairy calves
- Fit and show a calf
- Identify stages of calving and care
- Assemble tools needed for packing a show box

Grades: 3-5
Resources: 08161, Cowabunga
CANADA1, Showmanship...Leading to Win
4H501, Dairy Cattle Judging Made Easy – CD
LEADER, Lifetime Dairy Record

DAIRY 2
What you can do in this project:
- Learn about housing and hay quality
- Learn about milking and food safety
- Explore ways to keep an animal healthy
- Observe animal behavior

Grades: 6-8
Resources: 08162, Mooving Ahead
4H502, The Rules are Black and White
CANADA2, Preparing to Lead
MPA, Managerial Project Agreement

DAIRY 3
What you can do in this project:
- Practice mastitis detections
- Learn to balance rations
- Practice pregnancy detection and delivery of a calf
- Learn body-conditioning scoring
- Promote dairy products
- Explore various dairy industry careers

Grades: 9-12
Resources: 08163, Rising to the Top
HMR, WI 4-H Dairy Heifer Mgmt. Record

DAIRY 4
DAIRY LDR
DAIRY YTH LDR

DOGS 1
What you can do in this project:
- Learn basic skills for dog care and training
- Discover different dog breeds
- Study and identify dog body parts
- Learn how to keep a dog healthy and groomed

Resource: 08164, Dairy Cow Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/dairy.cfm
Grades: 3-5
Resources: 08166, Wiggles and Wags
4H436, The Basics of Training Your Dog

DOGS 2
What you can do in this project:
• Explore dog health and nutrition
• Discover genetic problems and population control
• Learn showmanship and training techniques
• Learn about show-ring ethics

Grades: 6-8
Resources: 08167, Canine Connection
4H439, Dog Obedience – Novice & Beyond

DOGS 3
What you can do in this project:
• Investigate responsible breeding
• Care for geriatric dogs
• Train service dogs
• Explore careers related to dogs

Grades: 9-12
Resources: 08168, Leading the Pack
4H437, A Guide to Showmanship

DOGS 4
DOGS LDR
Resources: 08169, Dog Helper’s Guide
4H458, 4-H Dog Judging Guidelines
Webpage: 4h.uwex.edu/onlinpro/dogs.cfm

DOGS YTH LDR

DOGS OBEDIENCE TRAINING

DOGS OBEDIENCE TRAINING LDR

DOGS OBEDIENCE TRAINING YTH LDR

EXOTIC ANIMALS

EXOTIC ANIMALS LDR

EXOTIC ANIMALS YTH LDR

DAIRY GOAT 1
What you can do in this project:
• Gain hands-on experiences in the goat project
• Select, manage, fit and show goats
• Learn responsible goat ownership

Grades: 3-5
Resource: 08352, Getting Your Goat

DAIRY GOAT 2
What you can do in this project:
• Learn to keep your goat healthy
• Feed your goat for maximum production

Grades: 6-8
Resource: 08353, Stepping Out

DAIRY GOAT 3
What you can do in this project:
• Learn about genetics, diseases and breeding
• Study body-condition scoring and linear appraisal
• Understand bio-security and prevention measures
• Gain leadership and explore career opportunities

Grades: 9-12
Resource: 08354, Showing the Way

DAIRY GOAT 4

DAIRY GOAT LDR
Resource: 08355, Dairy Goat Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/goats.cfm

DAIRY GOAT YTH LDR

MEAT GOAT 1
What you can do in this project:
• Identify meat goat breeds and parts
• Learn to select a good animal
• Feed and care for a meat goat
• Develop a budget for a meat goat project

Grades: 3-4
Resource: 07909, Just Browsing

MEAT GOAT 2
What you can do in this project:
• Recognize meat goat diseases
• Select a veterinarian and purchase breeding stock
• Understand reproduction cycle and keep records
• Fit and show meat goats

Grades: 5-8
Resource: 07910, Get Growing with Meat Goats

MEAT GOAT 3
What you can do in this project:
• Learn to control diseases
• Understand bio-security and quality assurance
• Formulate rations
• Evaluate goat pastures

Grades: 9-12
Resource: 07911, Meating the Future

MEAT GOAT LDR
Webpage: 4h.uwex.edu/onlinpro/goats.cfm

MEAT GOAT YTH LDR

PYGMY GOAT
PYGMY GOAT LDR

PYGMY GOAT YTH LDR

HORSE 1
What you can do in this project:
- Learn horse behavior and terms
- Study breeds and identify body parts
- Saddle, groom and bridle your horse
- Practice horse safety and horse selection

Grades: 3-5
Resources: 08053, Giddy Up & Go
CO200, Horses & Horsemanship
CO201, Horse Science
4H180, Pleasure Riding

HORSE 2
What you can do in this project:
- Practice horsemanship and judging
- Understand horse selection and training
- Learn about tack, feeding and diseases
- Practice showing a horse and trail riding

Grades: 6-8
Resource: 08054, Head, Heart & Hooves

HORSE 3
What you can do in this project:
- Explore horse breeding, genetics and heredity
- Understand horse diseases and prevention
- Learn about fencing, pasturing and housing
- Explore horse-related careers

Grades: 9-12
Resource: 08055, Stable Relationships

HORSE 4
What you can do in this project:
- Train a horse
- Practice a round-pen workout
- Learn English and Western style bridles
- Understand equitation and riding styles

Grades: 3-7
Resource: 08056, Riding the Range

HORSE 5
What you can do in this project:
- Learn to set goals
- Compare costs of show clothing
- Present your horse in showmanship classes
- Rate your showmanship skills
- Practice proper show ethics

Grades: 8-12
Resource: 08057, Jumping to New Heights

HORSE/ HORSELESS HORSE LDR

Resources: 08058, Horse Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/horses.cfm

HORSE/ HORSELESS HORSE YTH LDR

CLOTHES HORSE
What you can do in this project:
- Learn how to make riding apparel and equipment
- Develop sewing and creative skills
- Understand textile selection and care

Grades: 3-12
Resources: 4H374, Additional Patterns for Clothes Horse
4H389, Horse & Riding Attire

CLOTHES HORSE LDR
Resource: 4H360, 4-H Clothes Horse Activity Guide
Webpage: 4h.uwex.edu/olinpro/horses.cfm

CLOTHES HORSE YTH LDR

DRAFT HORSE
What you can do in this project:
- Explore different breeds and characteristics
- Learn conformation, selection and nutrition
- Practice harnessing and hitching

Grades: 6-8
Resource: 4H181, Draft Horse

HORSE EQUITATION

HORSELESS HORSE 1
What you can do in this project:
- You do not need a horse in this project
- Explore horse behavior, terms and breeds
- Identify body parts
- Learn grooming, saddling and bridling
- Learn about safety and equipment

Grades: 3-5
Resource: 08053, Giddy Up & Go
4H266, Horses are Fun- Horseless Horse

HORSELESS HORSE 2
What you can do in this project:
- Learn about horsemanship
- Explore judging and oral reasons
- Learn selection, training and showing
- Practice trail riding skills

Grades: 6-8
Resource: 08054, Head, Heart & Hooves

HORSELESS HORSE 3
What you can do in this project:
- Explore horse breeding, genetics and heredity
- Understand horse diseases and prevention
- Learn about fencing, pasturing and housing
- Explore horse-related careers

Grades: 9-12
Resource: 08055, Stable Relationships

HORSE MINIATURE HORSE
MODEL HORSES

MODEL HORSES LDR

MODEL HORSES YTH LDR

LLAMAS 1

LLAMAS 2

LLAMAS 3

LLAMAS LDR

LLAMAS YTH LDR

PETS 1
What you can do in this project:
- Explore your favorite pet or select a pet
- Identify pet body parts
- Learn to provide a safe environment
- Design a space for your pet
Grades: 3-5
Resource: 06359, Pet Pals

PETS 2
What you can do in this project:
- Explore animal digestion and feeding
- Shop for pet supplies
- Determine the animal’s sex and proper health
- Study pet behavior and communication
Grades: 6-8
Resource: 06360, Scurrying Ahead

PETS 3
What you can do in this project:
- Explore pet products
- Teach others about pets
- Understand how genetics work
- Explore animal welfare issues
Grades: 9-12
Resource: 06361, Scaling the Heights

PETS 4

PETS LDR
Resource: 06362, Pet Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/pets.cfm

PETS YTH LDR

POULTRY 1
What you can do in this project:
- Identify poultry breeds
- Learn parts of the bird
- Learn parts and functions of the egg
- Learn how to select and handle poultry
- Fit and show poultry
Grades: 3-5
Resources: 06363, Scratching the Surface
CIR878, From Egg to Chick
MA, Meat Animal Project Record

POULTRY 2
What you can do in this project:
- Observe a healthy flock
- Select and judge broilers
- Discover how an egg is formed
- Prevent poultry diseases
- Discover how chicks imprint
Grades: 6-8
Resources: 06364, Testing Your Wings
4H281, Poultry for Fun & Food
A2880, Chicken Breeds & Varieties
MA, Meat Animal Project Record

POULTRY 3
What you can do in this project:
- Organize a judging clinic
- Manage a laying flock
- Discover qualities of eggs
- Handle poultry products safely
- Process a chicken
Grades: 9-12
Resources: 06365, Flocking Together
MA, Meat Animal Project Record

POULTRY LDR
Resource: 06366, Poultry Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/poultry.cfm

POULTRY YTH LDR

POULTRY BANTAMS
What you can do in this project:
- Discover bantam breeds and breed characteristics
- Learn how to get started raising bantams
- Select and mate bantams
- Incubate and rear their young
- Learn to feed and house birds
- Fit and show bantams
Grades: 3-12
Resources: NCR209, Bantams
MA, Meat Animal Project Record

POULTRY EXOTIC BIRDS (Ostrich, Emu)

POULTRY GAME BIRDS (Quail, Pheasant)

POULTRY MARKET

POULTRY PIGEONS
What you can do in this project:
- Learn about buying, banding and feeding
• Understand about proper housing and behavior
• Learn about grooming and exhibiting

Grades: 3-12  
Resource: 4H135, Pigeons

POULTRY TURKEYS

What you can do in this project:
• Learn about buying poultry
• Prepare a brooding area
• Raise range turkeys
• Feed and water turkeys
• Identify diseases

Grades: 3-12  
Resources: NCR060, Small Turkey Flock Management  
MA, Meat Animal Project Record

POULTRY WATERFOWL

What you can do in this project:
• Learn about waterfowl breeds and parts
• Handle waterfowl properly
• Select and prepare waterfowl for market
• Incubate and exhibit waterfowl

Grades: 3-12  
Resources: A3311, Raising Waterfowl  
MA, Meat Animal Project Record

RABBITS 1

What you can do in this project:
• Learn about selecting and handling rabbits
• Identify rabbit breeds and body parts
• Explore health issues and feeding

Grades: 3-5  
Resource: 08080, What’s Hoppening?

RABBITS 2

What you can do in this project:
• Learn to select show rabbits
• Give oral reasons and judge rabbits
• Learn to tattoo
• Detect diseases
• Keep records of animals

Grades: 6-8  
Resource: 08081, Making Tracks

RABBITS 3

What you can do in this project:
• Learn about breeding and genetics
• Design a rabbitry
• Market rabbits
• Learn about disease prevention and rabbit registration

Grades: 9-12  
Resource: 08082, All Ears

RABBITS 4

RABBITS LDR  
Resource: 08083, Rabbit Helper’s Guide  
Webpage: 4h.uwex.edu/onlinpro/rabbits.cfm

RABBITS YTH LDR

RABBIT HOPPING

RABBIT HOPPING LDR

RABBIT HOPPING YTH LDR

SHEEP 1

What you can do in this project:
• Identify sheep breeds and body parts
• Observe sheep behavior
• Identify uses of wool and other by-products
• Fit and show sheep

Grades: 3-5  
Resources: 06367, Lambs, Rams and You  
4H421, Judging Breeding & Market Sheep  
MA, Meat Animal Project Record

SHEEP 2

What you can do in this project:
• Learn to identify sheep parasites
• Promote meat safety
• Judge wool
• Diagnose sheep diseases
• Use medications safely
• Explore careers

Grades: 6-8  
Resources: 06368, Shear Delight  
MA, Meat Animal Project Record

SHEEP 3

What you can do in this project:
• Set sheep production goals
• Plan sheep related activities
• Market sheep products and teach others
• Plan a judging contest
• Explore careers

Grades: 9-12  
Resources: 06369, Leading the Flock  
MA, Meat Animal Project Record

SHEEP 4

SHEEP MAP

SHEEP LDR  
Resources: 06370, Sheep Helper’s Guide  
194R, Sheep Resource Handbook  
Webpage: 4h.uwex.edu/onlinpro/sheep.cfm

SHEEP YTH LDR
SMALL ANIMALS

SMALL ANIMALS LDR

SMALL ANIMALS YTH LDR

SWINE 1
What you can do in this project:
- Identify swine breeds, feeds and animal parts
- Practice judging market hogs
- Identify pork meat cuts
- Practice fitting and showing a hog

Grades: 3-5
Resources: 08065, *The Incredible Pig*
4H412, *Judging Breeding & Market Swine*
MA, *Meat Animal Project Record*

SWINE 2
What you can do in this project:
- Make a swine health care plan
- Identify diseases
- Assemble tack and pack a show box
- Plan and organize a facility expansion
- Complete a plan for a new pork product

Grades: 6-8
Resources: 08066, *Putting the Oink in the Pig*
MA, *Meat Animal Project Record*

SWINE 3
What you can do in this project:
- Learn to make breeding and culling decisions
- Judge a class of breeding gilts
- Design a preventative herd health plan
- Manage a feeding program

Grades: 9-12
Resources: 08067, *Going Whole Hog*
MA, *Meat Animal Project Record*

SWINE 4

SWINE MAP

SWINE LDR
Resources: 08068, *Swine Helper’s Guide*
134R, *Swine Resource Handbook*
Webpage: 4h.uwex.edu/onlinpro/swine.cfm

SWINE YTH LDR

TROPICAL FISH

TROPICAL FISH LDR

TROPICAL FISH YTH LDR

VETERINARY SCIENCE 1
What you can do in this project:
- Learn different breeds of animals
- Interpret animal behavior

Grades: 3-5
Resource: 08156, *Picking Up the Pieces*

VETERINARY SCIENCE 2
What you can do in this project:
- Create health records for your animal
- Conduct food safety experiments
- Discover importance of immunity and bio-security
- Consider ethics and animal welfare

Grades: 6-8
Resources: 08048, *From Airedales to Zebras*
4H334, *Adventure Notebook*
4H131, *The Normal Animal*

VETERINARY SCIENCE 3
What you can do in this project:
- Investigate the importance of genetics
- Understand diseases that spread from animals to humans
- Learn about diversity of veterinary careers

Grades: 9-12
Resources: 08050, *On the Cutting Edge*
4H133, *Animal Health*

VETERINARY SCIENCE LDR
Resources: 08051, *Veterinary Science Helper’s Guide*
4H192, *Veterinary Science*
4H323, *The Normal Animal - Leader’s Guide*
Webpage: 4h.uwex.edu/onlinpro/vetscience.cfm

VETERINARY SCIENCE YTH LDR

COMMUNICATION ARTS

BOOKS ON THE MOVE

BOOKS ON THE MOVE LDR

BOOKS ON THE MOVE YTH LDR

COLLECTIONS - COIN

COLLECTIONS LDR

COLLECTIONS YTH LDR

COMMUNICATIONS 1
What you can do in this project:
- Engage in non-verbal, verbal and written activities
- Strengthen your personal communication skills
- Encrypt codes, write songs and give directions

Grades: 3-5
Resource: 08156, *Picking Up the Pieces*

COMMUNICATIONS 2
What you can do in this project:
- Learn to become a confident communicator
- Present oral reasons, plan and present speeches
- Practice making good first impressions

Grades: 6-8
Resource: 08157, *Putting It Together*

**COMMUNICATIONS 3**
What you can do in this project:
- Polish your communication skills
- Explore communication careers
- Write résumés and interview for a job

Grades: 9-12
Resource: 08158, *The Perfect Fit*

**COMMUNICATIONS LDR**
Resources: 08159, *Communications Helper’s Guide*
COMM04, *Voices From the Past*
COMM05, *It’s All in the Family*
COMM07, *Communication Activities for 4-H Clubs*

Webpage: [4h.uwex.edu/onlinpro/communications.cfm](http://4h.uwex.edu/onlinpro/communications.cfm)

**COMMUNICATIONS YTH LDR**

**CREATIVE WRITING**
What you can do in this project:
- Explore language and creative expression
- Stimulate your creativity and self-expression
- Enrich your joy of book reading

Grades: 3-12
Resources: COMM01, *Creative Wordworking*
COMM03, *Crazy About Books Reading Circle*

**CREATIVE WRITING LDR**

**CREATIVE WRITING YTH LDR**

**DEMONSTRATIONS**

**DEMONSTRATIONS LDR**

**DEMONSTRATIONS YTH LDR**

**SIGN LANGUAGE**

**SPEAKING**
What you can do in this project:
- Plan, practice and present an effective speech
- Gain confidence in public speaking
- Plan, practice and present an effective demonstration

Grades: 3-12
Resources: COMM02, *4-H Public Speakers Handbook*
COMM06, *4-H Public Speaking Opportunities*

**SPEAKING LDR**

**SPEAKING YTH LDR**

**PERFORMING ARTS**

**CLOWNING**
What you can do in this project:
- Discover the history of clowns
- Develop your own character
- Design your own makeup, costume and props

Grades: 3-12
Resource: 4H265, *Enter the Clowns*

**CLOWNING LDR**

**CLOWNING YTH LDR**

**DANCE**

**DANCE LDR**

**DANCE YTH LDR**

**JUGGLING**

**JUGGLING LDR**
Webpage: [http://4h.uwex.edu/events/ArtsandCommunications.cfm](http://4h.uwex.edu/events/ArtsandCommunications.cfm)

**JUGGLING YTH LDR**

**MUSIC**
What you can do in this project:
- Gain a greater appreciation for music
- Explore different ways to participate
- Listen, perform and compose various types of music
- Teach others and make instruments

Grades: 3-12
Resource: 4H620MP, *Youth and 4-H Music Project Guide*

**MUSIC LDR**
Resource: 4H351, *Sing Along Songbook*
Webpage: [4h.uwex.edu/onlinpro/Music.cfm](http://4h.uwex.edu/onlinpro/Music.cfm)

**MUSIC YTH LDR**

**PUPPETRY**

**PUPPETRY LDR**

**PUPPETRY YTH LDR**

**THEATRE ARTS 1**
What you can do in this project:
• Study acting, sound, movement, voice and speech
• Learn different ways to play a scene
• Try pantomime, clowning and improvisation

Grades: 3-5
Resource: 08070, Play the Role

THEATRE ARTS 2
What you can do in this project:
• Become a puppeteer
• Investigate the history of puppets
• Explore types of puppets and puppet characters
• Use puppets in community service work
• Plan and present a puppet show

Grades: 6-8
Resource: 08071, Become a Puppeteer!

THEATRE ARTS 3
What you can do in this project:
• Study costumes, makeup, stage sets, props and sound
• Learn stage management
• Create sounds and disguises
• Make up your own character and bring it to life

Grades: 9-12
Resource: 08072, Set the Stage

THEATRE ARTS 4
THEATRE ARTS LDR
Resource: 08073, Theatre Arts Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/theatre.cfm

THEATRE ARTS YTH LDR

VISUAL ARTS

ART 1
What you can do in this project:
• Learn art through cutting, pasting and drawing
• Explore sculpting and constructing with fibers
• Paint and print using different materials

Grades: 3-6
Resources: 23112, Elements & Principles of Design Card 4H472, Palette of Fun Member Sheet & Introduction

ART 2
What you can do in this project:
• Explore art techniques, culture and history of art
• Learn artistic challenges in drawing, fiber arts and sculpting
• Develop graphic design techniques

Grades: 7-12

ART 3
ARTS & CRAFTS LDR
Resource: 07597, Arts & Crafts – A Palette of Fun

ARTS & CRAFTS YTH LDR

ART - CELEBRATE ART
ART IN YOUR FUTURE

BASKETRY

BASKETRY LDR

BASKETRY YTH LDR

BLOCK PRINTING
What you can do in this project:
• Design and cut blocks from different materials
• Print designs on cloth and paper
• Create your own original designs

Grades: 5-12
Resource: 4H156, Block Printing Member Guide

BLOCK PRINTING LDR
Resource: CIR008, Block Printing Leader Guide
Webpage: 4h.uwex.edu/onlinpro/blockprinting.cfm

BLOCK PRINTING YTH LDR

CERAMICS

CERAMICS LDR

CERAMICS YTH LDR

COLLAGES

CREATIVE/CROSS STITCHERY

CREATIVE/CROSS STITCHERY LDR

CREATIVE/CROSS STITCHERY YTH LDR

DRAWING & PAINTING
What you can do in this project:
• Learn to draw with pencil, chalk, crayon, etc.
• Learn to blend and shade
• Make surface rubbings
• Paint with watercolor, oil and acrylics
• Mix colors
• Mat and frame your artwork

Grades: 3-12
Resource: 4H169, Drawing & Painting

DRAWING & PAINTING LDR
Webpage: 4h.uwex.edu/onlinpro/drawing.cfm

DRAWING & PAINTING YTH LDR

FOLK ARTS
What you can do in this project:
- Explore traditional folk arts
- Learn more from your family and community
- Learn storytelling
- Decorate eggs and make baskets

Grades: 5-12

FOLK ARTS LDR
Resource: NCR534, Folk Arts Leader Guide
Webpage: 4h.uwex.edu/onlinpro/folkarts.cfm

FOLK ARTS YTH LDR

BEADWORK
CALLIGRAPHY
CANDLE MAKING
DECORATIVE BOXES
DECORATIVE WREATHS
DECOUPAGE
FIBER ARTS
FLOWER CRAFTS
HANDMADE DOLLS
LIQUID EMBROIDERY
MOSAICS
ORNAMENTS
PAPER ART
PLASTERCRAFT
PRIMITIVE ART
PRINT MAKING
ROCK ART
SCULPTY CLAY
SOAP CARVING
SOAP MAKING
STRING/WIRE ART
STUFFED ANIMALS
TIE DYING
WEARABLE ART
WOOD ART

GLASSWORK
GLASSWORK LDR
GLASSWORK YTH LDR

JEWELRY MAKING

JEWELRY MAKING LDR
JEWELRY MAKING YTH LDR

LEATHERCRAFT
What you can do in this project:
- Learn about the characteristics and uses of leather
- Use tools and equipment
- Make patterns and original designs
- Explore various leathercraft techniques

Grades: 3-12

LEATHERCRAFT LDR
Resource: 4H149, Adventures in Leathercraft Members Guide

LEATHERCRAFT YTH LDR

MACRAMÉ
MACRAMÉ LDR
MACRAMÉ YTH LDR

METAL ENAMELING
What you can do in this project:
- Try enameling earrings, pins and other jewelry
- Learn to attach fasteners
- Create original designs and patterns

Grades: 5-12

METAL ENAMELING LDR
Resource: CIR009, Metal Enameling Leader Guide
Webpage: 4h.uwex.edu/onlinpro/metalenameling.cfm

METAL ENAMELING YTH LDR

NEEDLEPOINT
NEEDLEPOINT LDR
NEEDLEPOINT YTH LDR

PHOTOGRAPHY 1
What you can do in this project:
- Explore the camera and learn to use it properly
- Learn the basics of lighting and composition
- Learn the use of different light sources
- Shoot photos that tell a story

Grades: 3-5

PHOTOGRAPHY 2
What you can do in this project:
- Learn about camera adjustments
- Learn about film speed, shutter speed and aperture
- Take silhouettes, candids, action shots and others

Grades: 6-8

PHOTOGRAPHY 3
What you can do in this project:
- Learn about wide-angle and telephoto lenses
- Explore the use of light meters and studio lighting
- Experiment with special effect photos
- Take still life photos and portraits

Grades: 9-12
PHOTOGRAPHY LDR
Webpage: 4h.uwex.edu/onlinpro/photography.cfm

PHOTOGRAPHY YTH LDR

POSTERS
Grades: 3-12
Resource: 4H23, Say It With Posters

POSTERS LDR

POSTERS YTH LDR

FUZZY POSTERS

POTTERY

POTTERY LDR

POTTERY YTH LDR

RUBBER STAMPING

RUBBER STAMPING LDR

RUBBER STAMPING YTH LDR

RUG HOOKING

RUG HOOKING LDR

RUG HOOKING YTH LDR

SCRAPBOOKING

STENCIL PAINTING

STENCIL PAINTING LDR

STENCIL PAINTING YTH LDR

VIDEOGRAPHY
What you can do in this project:
- Learn storytelling, editing and lighting
- Experiment with camera handling and editing
- Learn to plan a project with the use of sound and titles
- Show and review your production
Grades: 6-12
Resource: IS401, Action! Making Videos & Movies

WOOD BURNING

WOOD BURNING LDR

WOOD BURNING YTH LDR

FAMILY, HOME & HEALTH

BOWLING

CHILD DEVELOPMENT 1
What you can do in this project:
- Find out how you grow and develop
- Learn about the development of babies and toddlers
- Learn how to make toys safe for small children
Grades: 3-4
Resource: 08075, On My Own

CHILD DEVELOPMENT 2
What you can do in this project:
- Learn how to take care of yourself and others
- See what makes your family special
- Discover how to match toys to ages of children
- Develop family rules
- Check for safety hazards
Grades: 5-6
Resource: 08076, Growing With Others

CHILD DEVELOPMENT 3
What you can do in this project:
- Explore how to be an effective parent
- Gain experience as a teacher or coach
- Make babysitting and first-aid kits
- Check out child development careers
Grades: 7-10
Resource: 08077, Growing in Communities

WOOD ENVIRONMENT 1
What you can do in this project:
- Learn about home care
- Learn to sand and finish a simple wood item
- Make small home decorative items for the home
- Explore the world of home interior design
Grades: 3-5
Resource: 4H425, Exploring Your Home

WOOD ENVIRONMENT 2
What you can do in this project:
• Become more involved with activities around the home
• Learn to handle home tasks and entertain guests
• Refinish wood furnishings and make other home items

Grades: 6-7
Resource: 4H426, Living With Others

HOME ENVIRONMENT 3
What you can do in this project:
• Learn the principles of home design
• Learn scale, balance and proportion in home design
• Use the principles of design to arrange your home
• Create storage centers and restore furniture

Grades: 8-9
Resource: 4H427, Where I Live

HOME ENVIRONMENT 4
What you can do in this project:
• Focus on the application of design fundamentals
• Learn about purchasing furnishings for the home
• Restore or make a heritage item

Grades: 10-12
Resource: 4H465, In My Home

HOME ENVIRONMENT 5

HOME ENVIRONMENT LDR
Webpage: 4h.uwex.edu/onlinpro/homeenv.cfm

HOME ENVIRONMENT YTH LDR

FUN & FITNESS

HEALTH 1
What you can do in this project:
• Practice first-aid skills to treat basic injuries
• Learn how to respond to someone who is choking
• Assemble a first-aid kit

Grades: 3-5
Resource: 08174, First Aid in Action

HEALTH 2
What you can do in this project:
• Identify your personal talent areas in health care
• Explore hygiene, nutrition and physical activities
• Share what you learn with others

Grades: 6-8
Resource: 08175, Staying Healthy

HEALTH 3
What you can do in this project:
• Design your own fitness plan
• Track your plan and review your progress
• Interview individuals in the health and fitness fields

Grades: 9-12
Resource: 08176, Keeping Fit

HEALTH 4 (Risk)

HEALTH 4 (Abstain)

HEALTH 5

HEALTH YTH LDR
Webpage: 4h.uwex.edu/onlinpro/health.cfm

INTERGENERATIONAL PROGRAMS
What you can do in this project:
• Learn to understand older people better
• Let them share their stories and experiences
• Explore what happens as you grow older

Grades: 5-12
Resource: NCR591, Walk in My Shoes Member Guide

INTERGENERATIONAL PROGRAMS LDR
Resource: NCR548, Walk in My Shoes Leader Guide
Webpage: 4h.uwex.edu/onlinpro/intergenerational.cfm

INTERGENERATIONAL PROGRAMS YTH LDR

SPORTS LDR

SPORTS YTH LDR

CONSUMER EDUCATION

CONSUMER SAVVY 1
What you can do in this project:
• Learn your shopping style
• Use the yellow pages to find goods and services
• Know the difference between wants and needs
• Write a savings and spending plan
• Start a savings account

Grades: 3-5
Resource: 08030, The Consumer in Me

CONSUMER SAVVY 2
What you can do in this project:
• Identify your personal spending values
• Understand advertising appeal and its affects
• See how peer pressure can influence your purchases
• Understand the risks of shopping on the Internet

Grades: 6-9
Resource: 08031, Consumer Wise

CONSUMER SAVVY 3
What you can do in this project:
• Define consumer responsibilities and ethics
• Understand your consumer rights
• Use comparison shopping techniques
• Understand the costs of owning a vehicle
CONSUMER SAVVY LDR
Resource: 08033, Consumer Savvy Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/consumersavvy.cfm

CONSUMER SAVVY YTH LDR

ENTREPRENEURSHIP
What you can do in this project:
- Practice the skills needed to be an entrepreneur
- Explore businesses, products, marketing and pricing
- Create a business plan and start your own business
Grades: 7-12
Resource: 08035, Entrepreneurship: Be the E

ENTREPRENEURSHIP LDR
Resource: 08036, Entrepreneurship Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/entrepreneur.cfm

ENTREPRENEURSHIP YTH LDR

PERSONAL FINANCE 1
What you can do in this project:
- Learn money management skills
- Learn how to live on a budget
Grades: 6-8
Resource: 07710, Money FUNdamentals

PERSONAL FINANCE 2
What you can do in this project:
- Learn about wants and needs, values and goal setting
- Explore ways to use and save money
- Learn the benefits and drawbacks of credit
- Survey and select financial services
Grades: 9-12
Resource: 07711, Money Moves

PERSONAL FINANCE LDR
Webpage: 4h.uwex.edu/onlinpro/finance.cfm

PERSONAL FINANCE YTH LDR

WORKFORCE READINESS
What you can do in this project:
- Explore what it takes to get your first job
- Discover how to assess job possibilities in the community
- Create job scenarios
- Recognize your learning styles and personal qualities
Grades: 6-9
Resource: 08191, Get in the Act! Take 1 (with CD)

WORKFORCE READINESS LDR
Resource: 08192, Get in the Act! Take 1 Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/workforce.cfm

WORKFORCE READINESS YTH LDR

FOODS AND NUTRITION

BREADS

BREADS LDR

BREADS YTH LDR

CAKE DECORATING 1

CAKE DECORATING 2

CAKE DECORATING 3

CAKE DECORATING LDR

CAKE DECORATING YTH LDR

CANDY MAKING

CANDY MAKING LDR

CANDY MAKING YTH LDR

FOOD PRESERVATION 1
What you can do in this project:
- Learn the basics of preserving food safely
- Use UW-Extension Safe Food Preservation Series
Grades: 6-12
Resources: B0430, Canning Fruits Safely
B1159, Canning Vegetables Safely
B2909, Making Jams, Jellies & Fruit Preserves
B3278, Freezing Fruits & Vegetables

FOOD PRESERVATION 2
What can I do in this project:
- Continue learning food preservation techniques
- Use UW-Extension Safe Food Preservation Series
Grades: 6-12
Resources: B2267, Homemade Pickles & Relishes
B2605, Tomatoes Tart & Tasty
B3345, Canning Meat, Wild Game, Poultry & Fish
B3570, Canning Salsa Safely

FOOD PRESERVATION 3
FOODS & NUTRITION 1
What you can do in this project:
- Learn what is good to eat and how to fix simple foods
- Fix pizza, pancakes, fruit kabobs and granola bars
- Explore why calcium is important to our bodies
- Understand TV commercial messages about food
Grades: 3-4
Resource: 07144, Six Easy Bites

FOODS & NUTRITION 2
What you can do in this project:
- Make main dishes, e.g., meatballs, pasta and salads
- Learn to make basic muffins and biscuits
- Learn to change recipes
- Reduce fat content in recipes
- Discover how to store fruit and vegetables
Grades: 5-6
Resource: 07146, Tasty Tidbits

FOODS & NUTRITION 3
What you can do in this project:
- Learn to evaluate nutrition information and fad diets
- Develop your own exercise program
- Learn how to cook different cuts of meat
- Learn to divide large-quantity packages for family use
- Make baked chicken, breadsticks and stir-fried vegetables
Grades: 7-9
Resource: 07148, You’re the Chef

FOODS & NUTRITION 4
What you can do in this project:
- Learn how to make jelly, bake fish and marinate meat
- Conduct a food activity with young chiLEADERen
- Learn to divide recipes and make substitutions
- Plan menus on a budget
Grades: 10-12
Resource: 07150, Foodworks

FOODS & NUTRITION 5

CLOTHING AND TEXTILES

CLOTHING 1
What you can do in this project:
- Identify sewing tools and machine parts
- Thread a sewing machine and identify fabrics
- Select and purchase a pattern
- Sort clothes for laundry and remove stains
- Donate a sewing project
Grades: 3-5
Resources: 08060, Under Construction
07198, Let’s Sew! Beginner’s Sewing Guide

CLOTHING 2
What you can do in this project:
- Identify types of fabric constructions
- Sew different buttonholes and seam finishes
- Use pressing tools and thread a serger
- Research different laundry products
Grades: 6-8
Resource: 08061, Fashion Forward

CLOTHING 3
What you can do in this project:
- Use specialized sewing tools or equipment
- Combine patterns to create a design
- Create outdoor wear
- Design and embellish a garment
- Use a computer to print on fabric
Grades: 9-12
Resource: 08062, Refine Design

CLOTHING LDR
Resource: 08063, Sewing Expressions Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/clothing.cfm

CROCHETING 1
What you can do in this project:
- Learn to select and purchase yarn, thread and equipment
- Explore crocheting and finishing techniques
- Understand care instructions for crocheted items
Grades: 3-12
Resource: CC1403, Crochet Made Easy

CROCHETING 2
CROCHETING 3

CROCHETING LDR
Webpage: 4h.uwex.edu/onlinpro/crocheting.cfm

CROCHETING YTH LDR

KNITTING 1
What you can do in this project:
- Discover what to consider when buying yarn or tools
- Learn knitting and finishing techniques
- Correct knitting errors
- Learn how to care for your knitted items
Grades: 3-12
Resource: CC1402, Knitting Made Easy

KNITTING 2

KNITTING 3

KNITTING LDR
Webpage: 4h.uwex.edu/onlinpro/knitting.cfm

KNITTING YTH LDR

QUILTING

QUILTING LDR

QUILTING YTH LDR

WOOL SPINNING

MECHANICAL SCIENCES

AUTOMOTIVE 1

AUTOMOTIVE 2

AUTOMOTIVE 3

AUTOMOTIVE LDR

AUTOMOTIVE YTH LDR

BICYCLES – ENG AND TECH 1
What you can do in this project:
- Learn the essentials for getting started safely
- Explore the basics toward lifelong cycling
- Learn safety, road rules and planning for a pleasant ride
Grades: K-3
Resource: 08334, Bicycling for Fun

BICYCLES – ENG AND TECH 2
What you can do in this project:
- Choose a bike that's right for you
- Practice bike maintenance
- Learn road rules
Grades: 4-6
Resource: 08335, Wheels in Motion

BICYCLES – ENG AND TECH 3

BICYCLING LDR
Resources: 08336, Bicycle Helper’s Guide
08399, Bicycle Fix It! (DVD)
Webpage: 4h.uwex.edu/onlinpro/bicycling.cfm

BICYCLING YTH LDR

COMPUTERS 1
What you can do in this project:
- Learn about hardware, software and components
- Explore how computers work
- Learn the various programs and their features
- Visit the project’s interactive website
Grades: 3-5
Resource: 08346, Newbie Know How

COMPUTERS 2
What you can do in this project:
- Build and repair a computer
- Identify the components and how they work together
- Learn to upgrade and create connections
- Install operating systems
Grades: 6-8
Resource: 08347, Inside the Box

COMPUTERS 3
What you can do in this project:
- Discover how to create and manage networks
- Make decisions about network management
- Explore security issues and troubleshooting
Grades: 9-12
Resource: 08348, Peer to Peer

COMPUTERS LDR
Resource: 08349, Teens Teaching Tech
Webpage: 4h.uwex.edu/onlinpro/computer.cfm

COMPUTERS YTH LDR

ELECTRICITY 1
What you can do in this project:
- Understand how to use electricity
- Identify electrical materials
- Wire a simple circuit
- Build a compass, flashlight, switch and electric motor
Grades: 4-5
Resource: 06848, Magic of Electricity

ELECTRICITY 2
What you can do in this project:
- Work with electrical equipment
- Learn to read circuit diagrams
- Build a circuit and measure voltages
- Communicate in Morse code

Grades: 6-7
Resource: 06849, Investigating Electricity

ELECTRICITY 3
What you can do in this project:
- Develop a basic electrical tool and supply kit
- Understand the symbols on wires and cables
- Locate your home wiring system

Grades: 8-9
Resource: 06850, Wired for Power

ELECTRICITY 4
What you can do in this project:
- Identify electrical and electronic parts and devices
- Learn how to solder and prepare parts for assembly
- Assemble a circuit using a transistor

Grades: 10-12
Resource: 06851, Entering Electronics

Resource:
- 06852, Electric Excitement Helper’s Guide
- 4H424, Guidelines for Building Scale Models

SCALE MODELS
What you can do in this project:
- Assemble and create scale models of trains, cars, etc.
- Learn how to obtain materials you need in construction
- Learn to display your model and judge it

Grades: 3-12
Resource: 08186, Crank It Up!

SMALL ENGINES 1
What you can do in this project:
- Learn the basics of small engines
- Explore external engine parts and tools
- Identify the uses of small engines and safety issues

Grades: 3-5
Resource: 08187, Warm It Up!

SMALL ENGINES 2
What you can do in this project:
- Explore the internal parts of engines
- Learn about engine sizes and safety issues
- Explore different jobs related to small engines

Grades: 6-8
Resource: 08188, Tune It Up!

SMALL ENGINES 3
What you can do in this project:
- Tear down and rebuild an engine
- Learn to use diagnostic tools
- Research rules and regulations in using small engines

Grades: 9-12
Resource: 08189, Small Engines Helper’s Guide

MODEL ROCKETRY LDR
MODEL ROCKETRY YTH LDR
OFF-HIGHWAY VEHICLES
OFF-HIGHWAY VEHICLES LDR
OFF-HIGHWAY VEHICLES YTH LDR
RADIO-CONTROLLED PLANE
REMOTE-CONTROLLED CARS
SCALE MODELS LDR
Webpage: 4h.uwex.edu/onlinepro/scalemodels.cfm
SCALE MODELS YTH LDR
SMALL ENGINES LDR
Resource: 08189, Small Engines Helper’s Guide
Webpage: 4h.uwex.edu/onlinepro/engine.cfm
Small Engines Youth Leader (YTH LDR)

Snowmobiling

Snowmobiling Leader (LDR)

Snowmobiling Youth Leader (YTH LDR)

Tractors 1
What you can do in this project:
- Learn and identify parts of the tractor
- Understand the basics of tractor maintenance
- Learn about different fuels and engine cooling systems
- Research different safety features and learn safety rules

Grades: 3-4 (little or no experience)
Resource: 4H961, Starting Up: Getting to Know Your Tractor

Tractors 2
What you can do in this project:
- Practice farm and tractor safety
- Understand the mechanics of engines
- Identify accessory equipment
- Learn the functions of different operational systems

Grades: 5-6 (little or no experience)
Resource: 4H962, Tractor Operations: Gearing Up for Safety

Tractors 3
What you can do in this project:
- Learn types of oil systems and fuel safety
- Learn how to hook on a PTO unit
- Learn tractor and machinery maintenance

Grades: 7-9 (some prior experience)
Resource: 4H963, Moving Out: Learning About Your Tractor & Farm Machinery

Tractors 4
What you can do in this project:
- Focus on safety and maintenance
- Identify and work with operational systems

Grades: 10-12 (some prior experience)
Resource: 4H964, Learning More: Learning About Agricultural Tractors & Equipment

Tractors Leader (LDR)
Webpage: 4h.uwex.edu/onlinpro/tractors.cfm

Tractors Youth Leader (YTH LDR)

Tractor Certification

Welding

Welding Leader (LDR)

Welding Youth Leader (YTH LDR)

Woodworking 1
What you can do in this project:
- Learn safety practices when working with wood and tools
- Use various hand tools, e.g., hammer and saw
- Identify types of nails and wood
- Sand and paint a piece of wood

Grades: 2-4
Resource: 06875, Measuring Up

Woodworking 2
What you can do in this project:
- Identify functions of various tools
- Practice safety techniques
- Select a project to build, e.g., birdhouse or foot stool
- Use a screwdriver and combination square

Grades: 4-6
Resource: 06876, Making the Cut

Woodworking 3
What you can do in this project:
- Compare different types of hinges
- Enlarge scale-drawn woodworking plans
- Use a hand plane and build a laminated cutting board
- Compare different grades of plywood

Grades: 6-8
Resource: 06877, Nailing It Together

Woodworking 4
What you can do in this project:
- Use a table saw, router, powered circular saw and sander
- Learn to make more difficult joints
- Evaluate exotic and veneer woods
- Create inlays and overlays
- Test various adhesives

Grades: 9-12
Resource: 06878, Finishing Up

Woodworking Leader (LDR)
Resource: 06879, Woodworking Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/wood.cfm

Woodworking Youth Leader (YTH LDR)

Natural Resources & Environmental Education

Adventures
What you can do in this project:
- Learn how to camp safely in all weather conditions
- Investigate camping equipment and clothing
- Build a campfire and cook a meal
- Practice tying knots and first aid
- Learn to use a map and compass

Grades: 3-12
Resource: 4H444, Introduction to Adventures
ADVENTURES LDR
Resource: 4H443, 4-H Adventure Project
Webpage: 4h.uwex.edu/onlinpro/adventures.cfm

ADVENTURES YTH LDR

AQUATIC SCIENCE

ASTRONOMY

ASTRONOMY LDR

ASTRONOMY YTH LDR

BACKPACKING & HIKING 1
What you can do in this project:
- Plan a day hike, select items and plan the food
- Learn to organize and pack a backpack
- Select appropriate clothing
- Prepare a first-aid kit
- Learn to use a compass
- Prepare for dangerous weather
Grades: 3-5
Resource: 08043, Hiking Trails

BACKPACKING & HIKING 2
What you can do in this project:
- Plan a camping trip
- Select equipment, including shelter
- Plan a camping trip menu and prepare supplies
- Practice “Leave No Trace” principles while hiking
- Study various organism habitats
Grades: 6-8
Resource: 08044, Camping Adventures

BACKPACKING & HIKING 3
What you can do in this project:
- Select group backpacking gear including a tent
- Design a non-tent backpacking shelter
- Develop a personal conditioning program
- Learn to orient a map and use triangulation
Grades: 9-12
Resource: 08045, Backpacking Expeditions

BACKPACKING & HIKING LDR
Resource: 08046, Outdoor Adventures Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/backpacking.cfm

BACKPACKING & HIKING YTH LDR

BEES

BICYCLING – ENVIRON ED
What you can do in this project:
- Learn how and where to bicycle safely
- Plan a bicycle camping trip
- Design and build a bicycle obstacle course
- Conduct a bike maintenance check
Grades: 3-12
Resource: 4H446, Bicycling
Webpage: 4h.uwex.edu/onlinpro/bicyclingnr.cfm

BIRDS

CAMPING

CANOEING
What you can do in this project:
- Learn how and where to canoe safely
- Select and care for equipment
- Explore aquatic environments
- Plan a canoe camping trip
- Canoe a river
Grades: 3-12
Resource: 4H447, Canoeing
Webpage: 4h.uwex.edu/onlinpro/canoeing.cfm

CONSERVATION

CONSERVATION LDR

CONSERVATION YTH LDR

CROSS COUNTRY SKIING

DOWNHILL SKIING

ENTOMOLOGY (INSECTS) 1
What you can do in this project:
- Learn about insects, their behavior and life history
- Discover the parts of an insect’s body
- Collect and compare insects
- Explore how insects communicate and move
Grades: 3-5
Resource: 06853, Creepy Crawlies
08392, Project Butterfly Wings Youth Guide

ENTOMOLOGY (INSECTS) 2
What you can do in this project:
- Learn how an insect protects itself
- Explore insect habitats
- Create an insect display
- Build an insect extractor
- Investigate entomology careers
Grades: 6-8
Resource: 06854, What’s Bugging You?
08392, Project Butterfly Wings Youth Guide

ENTOMOLOGY (INSECTS) 3
What you can do in this project:
- Raise and study mealworms and mosquitoes
- Observe a colony of ants
- Make an insect identification key
- Record and collect aquatic insects
- Explore various gardens and habitats
Grades:  9-12  
Resource:  06855, Dragons, Houses, & Other Flies

**ENTOMOLOGY (INSECTS) LDR**  
Resource:  06856, Entomology Group Helper’s Guide  
08393, Project Butterfly Wings Facilitator Guide  
Webpage:  [4h.uwex.edu/onlinpro/entomology.cfm](http://4h.uwex.edu/onlinpro/entomology.cfm)

**ENTOMOLOGY (INSECTS) YTH LDR**  
**EXPLORING YOUR ENVIRONMENT 1**  
What you can do in this project:  
- Explore the four elements of life: sun, air, water and soil  
- Use your senses to explore the environment  
- Connect to the environment through plants and animals  
- Learn how the environment is affected by pollution  
Grades:  5-7  
Resource:  08411, Earth’s Capacity

**EXPLORING YOUR ENVIRONMENT 2**  
What you can do in this project:  
- Explore wildlife habitats and tracking  
- Learn about groundwater  
- Research pollination and how it works  
Grades:  8-10

**EXPLORING YOUR ENVIRONMENT 3**  
What you can do in this project:  
- Explore the world of biotechnology  
- Learn the features of insect creatures  
- Begin to understand biodiversity  
- Learn what climate has to do with the way we live  
Grades:  11-12  
Resource:  08410, Ecosystems Services

**EXPLORING YOUR ENVIRONMENT LDR**  
Resources:  08412, Exploring Your Environment Facilitator Guide  
PUB-CE-456, Education Connection  
PUBL-ER-001, WI Endangered & Threatened Species  
Webpage:  [4h.uwex.edu/onlinpro/environment.cfm](http://4h.uwex.edu/onlinpro/environment.cfm)

**EXPLORING YOUR ENVIRONMENT YTH LDR**  
**FISHING 1**  
What you can do in this project:  
- Identify types of tackle  
- Organize a tackle box  
- Identify different types of bait and fish in your area  
- Learn to take proper care of your catch  
Grades:  3-5  
Resource:  07598, Take the Bait

**FISHING 2**  
What you can do in this project:  
- Find fishing information on the Internet  
- Cast a spinning rod and reel  
- Learn to tie fishing knots  
- Select a recipe and cook a fish  
- Collect and analyze aquatic life  
Grades:  6-8  
Resource:  07599, Reel in the Fun

**FISHING 3**  
What you can do in this project:  
- Learn to reassemble a fishing reel  
- Make artificial flies and lures  
- Modify fishing equipment  
- Investigate fishing careers  
Grades:  9-12  
Resource:  07600, Cast into the Future

**FISHING 4**

**FISHING 5**

**FISHING LDR**  
Webpage:  [www.uwex.edu/ces/4h/onlinpro/fishing.cfm](http://www.uwex.edu/ces/4h/onlinpro/fishing.cfm)

**FISHING YTH LDR**

**FORESTRY 1**  
What you can do in this project:  
- Identify forest types, forest products and trees  
- Age trees by counting rings  
- Understand forest competition  
- Find a state forest  
- Describe how leaves affect rainfall  
Grades:  3-5  
Resource:  08038, Follow the Path

**FORESTRY 2**  
What you can do in this project:  
- Learn how trees move water from soil to canopy  
- Diagram a leaf  
- Understand major forest changes and their impact  
- Select urban tree planting sites  
Grades:  6-8  
Resource:  08039, Reach for the Canopy

**FORESTRY 3**  
What you can do in this project:  
- Recognize different tree fruits  
- Create a community forest map  
- Identify forest biomes by continent  
- Identify an unknown tree using a tree key  
Grades:  9-12  
Resource:  08040, Explore the Deep Woods

**FORESTRY LDR**  
Resource:  08041, Forestry Helper’s Guide  
Webpage:  [4h.uwex.edu/onlinpro/forestry.cfm](http://4h.uwex.edu/onlinpro/forestry.cfm)

**FORESTRY YTH LDR**

**GEOLOGY**

**GEOLOGY LDR**

**GEOLOGY YTH LDR**
HOME ENERGY
HOME ENERGY LDR
HOME ENERGY YTH LDR

MAPLE SYRUP

RECYCLING
What you can do in this project:
- Learn about the impact of solid waste on the environment
- Learn to reduce, reuse and recycle

Grades: 3-12
Resource: 4H362, Recycling for Reuse

RECYCLING LDR
Webpage: 4h.uwex.edu/onlinpro/recycling.cfm

RECYCLING YTH LDR

REPTILES

ROCK CLIMBING

ROCK HOUND

SCIENCE DISCOVERY 1

SCIENCE DISCOVERY 2

SCIENCE DISCOVERY LDR

SCIENCE DISCOVERY YTH LDR

TAXIDERMY

WATER
What you can do in this project:
- Identify water conservation and pollution issues
- Explore issues in your home, community or school
- Select an issue to focus on
- Develop and implement a plan

Grades: 3-12
Resource: 4H855, Give Water A Hand – Action Guide

WATER LDR
Resource: 4H850, Give Water A Hand Leader Guide
Webpage: 4h.uwex.edu/onlinpro/water.cfm

WATER YTH LDR

WEATHER

WEATHER LDR

WEATHER YTH LDR

WILDFLOWERS
What you can do in this project:
- Learn about wildflowers in your neighborhood
- Learn to identify wildflowers and how to collect them
- Discover how humans affect wildflowers

Grades: 3-12
Resource: 4H392, Wildflowers
Webpage: 4h.uwex.edu/onlinpro/wildflowers.cfm

WILDLIFE

WILDLIFE LDR

WILDLIFE YTH LDR

WILDLIFE HABITAT

WINTER TRAVEL
What you can do in this project:
- Discover winter travel on cross-country skis and snowshoes
- Select and take care of equipment and clothing
- Experience a winter overnight campout
- Discover how trees and plants prepare for winter

Grades: 3-12
Resource: 4H448, Winter Travel
Webpage: 4h.uwex.edu/onlinpro/wintertravel.cfm

SHOOTING SPORTS EDUCATION

SHOOTING SPORTS LDR
Resource: Each Shooting Sports Leader should attend a Certification Training to receive the WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

SHOOTING SPORTS YTH LDR

AIR PISTOL
What you can do in this project:
- Explore different air pistols
- Learn basic safety rules and guidelines
- Learn marksmanship and shooting procedures

Grades: 3-12

AIR PISTOL LDR
Resource: Each Pistol Leader should attend a Certification Training to receive the Pistol Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

AIR PISTOL YTH LDR

AIR RIFLE
What you can do in this project:
- Explore different types of air rifles
- Learn basic safety rules and range commands
- Develop marksmanship
- Learn various shooting positions used in competition

Grades: 3-12

AIR RIFLE LDR
Resource: Each Air Rifle Leader should attend a Certification Training to receive the Air Rifle Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

AIR RIFLE YTH LDR

ARCHERY
What you can do in this project:
- Learn the fundamentals of archery marksmanship
- Learn rules and safety guidelines
- Make archery equipment
- Shoot with sights and different bows

Grades: 3-12

ARCHERY LDR
Resource: Each Archery Leader should attend a Certification Training to receive the Archery Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm
Resource: 751, Archery Member Record Book

ARCHERY YTH LDR

HUNTING
What you can do in this project:
- Learn the history, philosophy and laws of hunting
- Learn to plan and equip yourself for a hunt

Grades: 3-12

HUNTING LDR

HUNTING YTH LDR

MUZZLELOADING
What you can do in this project:
- Explore muzzleloading history
- Study different muzzleloading guns and accessories
- Learn how to clean a muzzleloader
- Learn safety issues

Ages: Only 12 years old and above can shoot powder burning guns

MUZZLELOADING LDR
Resource: Each Muzzleloading Leader should attend a Certification Training to receive the Muzzleloading Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

MUZZLELOADING YTH LDR

PISTOL (smallbore .22)
What you can do in this project:
- Explore the history of different types of pistols
- Learn basic safety rules and range commands
- Develop marksmanship and shooting procedures

Ages: Only 12 years old and above can shoot powder burning guns
Resource: 753, Pistol Member Record Book

PISTOL LDR (smallbore .22)
Resource: Each Pistol Leader should attend a Certification Training to receive the Pistol Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

PISTOL YTH LDR (smallbore .22)

RIFLE
What you can do in this project:
- Explore rifle history and the different models
- Learn to sight-in your rifle and score targets
- Learn various shooting positions used in competition
- Learn safe handling procedures and range rules

Ages: Only 12 years old and above can shoot powder burning guns
Resource: 750, Rifle Member Record Book

RIFLE LDR
Resource: Each Rifle Leader should attend a Certification Training to receive the Rifle Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

RIFLE YTH LDR

SHOTGUN
What you can do in this project:
- Learn the basic safety issues with shotgun handling
- Learn shooting fundamentals
- Learn the proper way to carry a shotgun

Ages: Only 12 years old and above can shoot powder burning guns
Resource: 752, Shotgun Member Record Book
SHOTGUN LDR
Resource: Each Shotgun Leader should attend a Certification Training to receive the Shotgun Guide and WI Shooting Sports Basic 4-H Guidelines. For more information see webpage.
Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

SHOTGUN YTH LDR

PLANT & SOIL SCIENCES

CROPS

CROPS LDR

CROPS YTH LDR

CORN (CROPS 1)
What you can do in this project:
- Learn about variety selection, germination and planting
- Learn about nutrients, harvesting and storage
- Explore uses and marketing strategies for corn
Grades: 3-12
Resources: 4H355, 4-H Corn Project Manual
4H440, Marketing Your 4-H Crops
4H441, Is Direct Marketing for My Project?
RS1, Record Sheet – Crops Management
Webpage: 4h.uwex.edu/onlinpro/corn.cfm

FORAGE (CROPS 2)
What you can do in this project:
- Establish and manage a forage crop
- Scout fields for pests, diseases and nutrition shortages
- Take an accurate forage sample
- Study growing techniques
Grades: 3-12
Resources: 4H349, Pest Scouting Alfalfa
4H440, Marketing Your 4-H Crops
4H441, Is Direct Marketing for My Project?
RS1, Record Sheet – Crops Management
Webpage: 4h.uwex.edu/onlinpro/forage.cfm

SMALL GRAINS (CROPS 3)
What you can do in this project:
- Explore types of grasses, including wheat, oats and barley
- Learn about growing conditions and nutrients
- Practice integrated pest management
- Compare production costs and marketing
Grades: 3-12
Resources: 4H356, 4-H Small Grains Manual
4H440, Marketing Your 4-H Crops
4H441, Is Direct Marketing for My Project?
RS1, Record Sheet – Crops Management
Webpage: 4h.uwex.edu/onlinpro/smallgrains.cfm

SOYBEANS (CROPS 4)

WEED MANAGEMENT (CROPS 5)

FLOWERS 1
What you can do in this project:
- Identify flower parts and their functions
- Plant flowers and make flower arrangements
- Give a presentation on flowers
- Prepare a flower exhibit
Grades: 3-5
Resources: 07162, Gardening: See Them Sprout
4H1301A, Forcing Spring Flowering Bulbs
A2935, Evaluating & Judging Flowers & Indoor Plants
Webpage: 4h.uwex.edu/onlinpro/flowers.cfm

FLOWERS 2
What you can do in this project:
- Learn about plant needs and soil testing
- Select and start new plants and grow transplants
- Examine plants for insects and diseases
- Judge a flower exhibit
Grades: 6-8
Resource: 07163, Gardening: Let's Get Growing

FLOWERS 3
What you can do in this project:
- Design a plant experiment
- Make a landscape plan
- Write instructions on how to force bulbs
- Compare different fertilizers: organic and chemical
Grades: 9-12
Resource: 07164, Gardening: Take Your Pick

FLOWERS LDR
Resource: 07166, Gardening Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/flowers.cfm

FLOWERS YTH LDR

FRUITS 1
What you can do in this project:
- Produce fruits from apples to berries
- Select the best fruit cultivar for your home garden
Grades: 3-12
Resources: A1597, Growing Strawberries in Wisconsin
A1610, Growing Raspberries in Wisconsin
A1960, Growing Currants, Gooseberries, & Elderberries in Wisconsin

FRUITS 2
What can I do in this project:
- Produce fruits such as pears and grapes
- Learn about different varieties of cultivars
Resources: A1656, Growing Grapes in Wisconsin  
A2072, Growing Pears in Wisconsin

FRUITS 3

FRUITS LDR  
Webpage: 4h.uwex.edu/onlinpro/fruits.cfm

FRUITS YTH LDR

HERBS

HERBS LDR  
HERBS YTH LDR

HOME GROUNDS 1  
What you can do in this project:  
- Learn about seeding a lawn  
- Study proper lawn care and maintenance  
- Explore fertilization and pest management techniques  
Grades: 3-5  
Resource: 4H321, 4-H Lawn Care

HOME GROUNDS 2  
What you can do in this project:  
- Learn the importance of planting new trees and shrubs  
- Explore variety selection and appropriate placement  
- Learn basic maintenance: pruning and fertilization  
Grades: 6-8  
Resources: A3067, Selecting, Planting & Caring for Shade Trees  
A1730, Evergreens – Planting & Care

HOME GROUNDS 3  
What you can do in this project:  
- Explore landscape planning  
- Make a plan and put it on paper  
- Select, place and plant trees and shrubs  
- Maintain your home grounds  
Grades: 9-12  
Resource: G1923, Planning & Designing Your Home Landscape

HOME GROUNDS LDR  
Webpage: 4h.uwex.edu/onlinpro/homegrounds.cfm

HOME GROUNDS YTH LDR

HORTICULTURE

HORTICULTURE LDR  
HORTICULTURE YTH LDR

HOUSE PLANTS 1  
What you can do in this project:  
- Identify plant parts and their functions  
- Grow house plants and start a plant from a cutting  
- Make a dish garden  
- Prepare house plants for exhibit  
Grades: 3-5  
Resources: 07162, Gardening: See Them Sprout  
4H328, Propagating & Growing House Plants

HOUSE PLANTS 2  
What you can do in this project:  
- Learn about plant seeds and soil  
- Select and start new plants and grow transplants  
- Plant a terrarium  
- Examine plants for insects and diseases  
Grades: 6-8  
Resource: 07163, Gardening: Let’s Get Growing

HOUSE PLANTS 3  
What you can do in this project:  
- Take a tour of a horticulture business  
- Design a plant experiment  
- Teach others how to grow house plants  
- Compare different fertilizers: organic and chemical  
Grades: 9-12  
Resource: 07164, Gardening: Take Your Pick

HOUSE PLANTS LDR  
Resource: 07166, Gardening Helper’s Guide  
Webpage: 4h.uwex.edu/onlinpro/houseplants.cfm

HOUSE PLANTS YTH LDR

PLANT CRAFTS  
What you can do in this project:  
- Learn to harvest plants  
- Use different drying techniques  
- Learn how to use plant materials  
- Learn how to make dried arrangements, corsages, etc.  
Grades: 3-12  
Resources: 4H330, Plant Crafts  
4H453, Plant Crafts Supplement

PLANT CRAFTS LDR  
Webpage: 4h.uwex.edu/onlinpro/plantcrafts.cfm

PLANT CRAFTS YTH LDR

SOIL SCIENCE 1

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SOIL SCIENCE 2

SOIL SCIENCE 3

SOIL SCIENCE LDR

SOIL SCIENCE YTH LDR

VEGETABLES 1
What you can do in this project:
• Identify plant parts and their functions
• Explore germination and start a plant from a cutting
• Grow vegetables in containers
• Plan an outdoor garden
• Prepare a vegetable exhibit for show

Grades: 3-5
Resources: 07162, Gardening: See Them Sprout
4H395, Organically Grown – Handbook
4H409, Nature’s Herbs
A3306, Exhibiting & Judging Vegetables

VEGETABLES 2
What you can do in this project:
• Learn about plant needs and soil testing
• Start new plants and grow transplants
• Build a compost pile and use mulches

Grades: 6-8
Resource: 07163, Gardening: Let’s Get Growing

VEGETABLES 3
What you can do in this project:
• Grow plants in a cold frame
• Make a site analysis and landscape plan
• Compare organic and chemical fertilizers
• Research various insect control methods

Grades: 9-12
Resource: 07164, Gardening: Take Your Pick

VEGETABLES LDR
Resource: 07166, Gardening Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/vegetables.cfm

VEGETABLES YTH LDR

STEM YTH LDR

AEROSPACE 1
What you can do in this project:
• Build an introductory level rocket
• Compare birds and airplanes
• Make a space helmet

Grades: K-2
Resource: 06842, Pre-Flight

AEROSPACE 2
What you can do in this project:
• Build straw and paper rockets
• Learn to read a map
• Identify types of aircraft
• Discover how weather affects flying
• Build and fly a kite
• Make a hot-air balloon model

Grades: 3-5
Resource: 06843, Lift Off

AEROSPACE 3
What you can do in this project:
• Build, exhibit and launch model rockets
• Test a paper hang glider
• Make a flight simulator
• Demonstrate why rockets fly
• Organize a kite-flying contest

Grades: 6-8
Resource: 06844, Reaching New Heights

AEROSPACE 4
What you can do in this project:
• Design and build rockets and box kites
• Build an altitude tracker
• Plan a flight route
• Discover the affects of gravity
• Explore life in space and aerospace careers

Grades: 9-12
Resource: 06845, Pilot in Command

AEROSPACE LDR
Resource: 06846, Aerospace Adventures Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/aerospace.cfm

AEROSPACE YTH LDR

GEOSPATIAL 1
What you can do in this project:
• Discover ways of thinking about geographic positions
• Learn about navigational tools: GIS, GPS, compasses
• Learn to measure distances

Grades: 4-12
Resource: CD8358, Exploring Spaces, Going Places CD
(“Getting Out” section)

STEM Exploring
Webpage: http://www.uwex.edu/ces/4h/set/index.cfm

STEM LDR

STEM (Science, Technology, Engineering & Math)
**GEOSPATIAL 2**

What you can do in this project:
- Learn how to collect data
- Combine data with geographical positions
- Make maps of home, neighborhood and community

Grades: 4-12

**GEOSPATIAL 3**

What you can do in this project:
- Use multi-layered maps to attempt to solve problems
- Find ways to reduce traffic congestion
- Pinpoint pollution sources

Grades: 4-12

**GEOSPATIAL YTH LDR**

Webpage: [4h.uwex.edu/onlinpro/geospatial.cfm](http://4h.uwex.edu/onlinpro/geospatial.cfm)

**ROBOTICS YTH LDR**

**SCIENCE YTH LDR**

**WIND ENERGY**

Leader Resources
Webpage: [http://www.uwex.edu/ces/4h/set/index.cfm](http://www.uwex.edu/ces/4h/set/index.cfm)

**OTHER PROGRAMS**

**INTERNATIONAL YTH LDR**

**INTERNATIONAL PROGRAMS**

**INTERNATIONAL 1**

What you can do in this project:
- Explore the world around you through maps
- Track weather in various parts of the world
- Make your family tree by talking with relatives
- Explore where your ancestors came from

Grades: 3-12
Resource: 4H812, *And My World*

**INTERNATIONAL 2**

**INTERNATIONAL 3**

**INTERNATIONAL LDR**

Resource: 4H812, *And My World*
Webpage: [4h.uwex.edu/onlinpro/international.cfm](http://4h.uwex.edu/onlinpro/international.cfm)